# MS Degree Program Rquirements
# Student Planning Worksheet

**Name:**                                                                    **COMMENTS**

| | |
|---|---|
| Must maintain an overall 3.0 GPA | |
| Degree must be completed within 5 semesters. | |
| ESL Requirement Complete (for international students only) | |
| Must complete 32 Credit Hours | |
| ***28 hours of Coursework*** | |
|    Breadth Requirement Total Credit Hours Completed | |
|    500-level Requirement Total Credit Hours Completed | |
|    Additional Coursework Total Credit Hours Completed | |
|    <span style="color:red">Minus additional CS 591credit hours over 4 credits</span> | |
| ***4 hours of Thesis Research (CS 599) required*** | |
| **Total Credit Hours Completed** | |

## Breadth Requirement: 9-12 HRS *(Grade must be a B- or higher)*

*Must complete three different courses, each from a different area, from the following eight core areas with a grade of B- or higher.*

| | CREDIT HRS | GRADE | COMMENTS |
|---|---|---|---|
| ***Architecture, Compilers, Parallel Computing*** | | | |
| *CS 426, 431, 433, 435, 462, 483, 484, 526, 533, 536* | | | |
| ***Artificial Intelligence*** | | | |
| *CS 440, 443, 445, 446, 447, 543, 544, 546, 548* | | | |
| ***Bioinformatics and Computational Biology*** *(effective Fall 2017)* | | | |
| *CS 466, 581* | | | |
| ***Database, Information Systems*** | | | |
| *CS 410, 411, 412, 510, 511, 512* | | | |
| ***Formal Methods, Programming Languages, Software Engineering*** | | | |
| *CS 421, 422, 427, 428, 476, 477, 522, 524, 527, 528, 576* | | | |
| ***Graphics/HCI*** | | | |
| *CS 417, 418, 419, 445, 465, 467, 519, 565* | | | |
| ***Systems and Networking (includes real-time systems & security)*** | | | |
| *CS 414, 423, 424, 425, 438, 439, 461, 463, 523, 525, 538, 541, 545, 563* | | | |
| ***Scientific Computing*** | | | |
| *CS 450, 457, 482, 554, 555, 556, 558* | | | |
| ***Theoretical Computer Science*** | | | |
| *CS 473 , 475, 571, 573, 574, 579, 583* | | | |
| **Total Credit Hours from Distribution Coursework - 9 to 12 credit hours** | | | |

## ADVANCED COURSES: 12 HRS *(CS 500-590 or 598; Grade must be C or higher)*

*Courses must not have been completed for the Breadth Requirement.*
*One 500-level course must be completed in one of the three chosen core areas above in the "Breadth Requirement".*
*The remaining two courses may be chosen from any 500-level CS course (500-590 or 598 only), or an approved non-CS 500-level course may satisfy 4 credit hours of this requirement.*

| | CREDIT HRS | GRADE | COMMENTS |
|---|---|---|---|
| ***500-level course to serve as second course from one of the three chosen core areas in Breadth Requirement*** | | | |
| | | | |
| ***Additional 2 500-level Courses (CS 500-590 or 598)*** | | | |
| | | | |
| | | | |
| **Total Credit Hours from Advanced Courses - 12 credit hours** | | | |

## ADDITIONAL COURSEWORK (Minimum of 24 coursework hours and 32 total credit hours; Letter grades must be C or higher.)

| *Additional Courses* | CREDIT HRS | GRADE | COMMENTS |
|---|---|---|---|
| | | | |
| | | | |
| | | | |
| *<span style="color:orange">Note: up to 4 credit hours of CS 591 may count towards the additional coursework.</span>* | | | |
| **Total Credit Hours from Additional Courses** | | | |
| | | | |
| **Deposit of MS Thesis** | Yes | | No |